

Joan PASCUAL RIBES, 19 years old. Spanish Nationality  
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JPR

*Mathematics and Engineering Physics student. Polymath.  
Passionate about knowledge. Hungry learner.*

Education	
2023-Present	Degree in <b>Engineering Physics</b> , Polytechnic University of Catalonia. Degree in <b>Mathematics</b> , Polytechnic University of Catalonia. CFIS (Interdisciplinary Higher Education Centre)
Skills	
Programming	C++, Intermediate. Python, Intermediate.
Languages	English (Advanced) C1 certificate, <i>Trinity College London</i> . Spanish (Native). Catalan (Native). German (Basic) Currently studying B1 level. French (Basic) A2 certificate.
Academic Achievements	
Double Degree Mark	9.17 / 10. Honours degree in Calculus I, Physics I, Biophysics, Physics II and Linear Algebra.
EvAU Mark	13.832 / 14.
High School Mark	10 / 10.
Work Experience	
Barcelona Introduction to Mathematical Research	<i>July, 2024.</i> At the CRM (Centre de Recerca MatemÀtica), in a collaboration between the universities UAB, UB and UPC. A month of research in the field of Algebra.
Main Interests	
Competitive Programming	I enjoy solving hard problems while learning new algorithms and problem-solving strategies.
Algebra	Without a doubt, my favourite branch of Mathematics. I study it by myself.
Computer Science	I am truly interested in AI, computer vision and machine learning, specially when it comes to their relation with Mathematics.
Olympiad Experience	
Chemistry	Participation in the Spanish National Chemistry Olympiad (2023).
Physics	Autonomic Physics Olympiad (Valencia). (Third place) (2023).
Mathematics	Winner of Cangur Olympiad (Valencia) (2023).
Valencian Language	Winner of two consecutive autonomic contests (2022 & 2023).

## Hobbies and Activities

<b>Literature</b>	Awarded in some literature contests. I genuinely enjoy poetry and philosophical essays.
<b>Music</b>	I have played in a traditional band and studied saxophone and piano at the conservatory.
<b>Sports</b>	Swimming, tennis and football.

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The most important thing for me is to gain experience and learn new concepts while facing challenging problems.